06mar03 09:31:45 User208669 Session D2225.1 \$0.31 0.089 DialUnits File1 ? b 155, 50, 357

\$0.31 Estimated cost File1

\$0.01 TELNET

\$0.32 Estimated cost this search

\$0.32 Estimated total session cost 0.089 DialUnits

SYSTEM: OS - DIALOG One Search

File 155:MEDLINE(R) 1966-2003/Mar W1

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File 50:CAB Abstracts 1972-2003/Jan

(c) 2003 CAB International

*File 50: Truncating CC codes is recommended for full retrieval

See Help News50 for details.

1982-2003/Mar W2 File 357: Derwent Biotech Res.

(c) 2003 Thomson Derwent & ISI

*File 357: File is now current. See HELP NEWS 357

Alert feature enhanced for multiple files, etc. See HELP ALERT

Set Items Description

3 ds

Items Description

PARVO? 12032

MVM OR RODENT OR LUIII OR LU111 OR H1 OR H(W)1 71090

S1 AND S2 S2 S3 S4 S5

REPLICAT? AND S3

(ORIGIN OR ORIGINS) AND S4 34

RD (unique items)

S6 AND (LEFT OR RIGHT OR 3 OR 5 OR 3' OR 5')

S3 AND ORIGIN? AND (LEFT OR RIGHT OR 3 OR 5 OR 3' OR 5')

RD (unique items)

?ts7/7/891314

DIALOG(R)File 155:MEDLINE(R) 7/7/8 (Item 8 from file: 155)

(c) format only 2003 The Dialog Corp. All rts. reserv.

An asymmetric nucleotide in the parvoviral 3' hairpin directs segregation of a single active origin of DNA replication.

Cotmore S F; Tattersall P

Department of Laboratory Medicine, Yale University School of Medicine, New Haven, CT 06510.

EMBO journal (ENGLAND) Sep 1 1994, 13 (17) p4145-52, ISSN 0261-4189 lournal Code: 8208664

Contract/Grant No.: AI26109; AI; NIAID; CA29303; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

of mice (MVM), a murine parvovirus, can assume a complex hairpin structure. copied to form an imperfect palindrome which bridges adjacent genomes in a approximately 50 bp long, extending from an Activated Transcription Factor This contains a stem in which there is a mismatched 'bubble' sequence where dimer duplex intermediate, leaving the two 'bubble' sequences embedded in The 3' telomere of the linear single-stranded DNA genome of minute virus unctions are resolved asymmetrically in vitro in a DNA synthetic reaction which requires the viral initiator protein NS1. We show that the sequence binding site at one end to a position some 7 bp beyond the major initiation a GA doublet opposes a GAA triplet. During replication, this hairpin is site, to which NS1 ultimately becomes covalently attached. The actual critical spacer element. Segregation of this asymmetry, therefore, allows potential replication origins on either side of the axis of symmetry. Such sequence of the GA doublet is unimportant, but insertion of any third surrounding the doublet is a potent origin, but the analogous region nucleotide here inactivates the origin, indicating that it represents a the virus to confine replication initiation to one particular telomeric containing the triplet is completely inactive. The active origin is configuration.

Record Date Created: 19941005

7/7/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

foreign gene into transformed human cells of different tissue origins and Use of an autonomous parvovirus vector for selective transfer of a its expression therein. Dupont F; Tenenbaum L; Guo L P; Spegelaere P; Zeicher M; Rommelaere J Department of Molecular Biology, Universite Libre de Bruxelles, Rhode Saint Genese, Belgium.

Journal of virology (UNITED STATES) Mar 1994, 68 (3) p1397-406, SSN 0022-538X Journal Code: 0113724

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

In this work, we report the transduction of a chloramphenicol

amounts of recombinant MVM. MVM/P38cat viral particles were successfully parvovirus minute virus of mice (MVMp). The CAT gene was inserted into the capsid-encoding region of the infectious molecular clone of MVMp genome, mixed virus stocks containing MVM/P38cat infectious particles and variable MVMP38cat, a recombinant of the prototype strain of the autonomous cells. Both viral DNA replication and P38-driven CAT expression were in a transformation-dependent way, but with an efficiency depending on the permissive cells, the MVM/P38cat DNA was efficiently replicated and under the control of the MVM P38 promoter. When used to transfect expressed the foreign CAT gene at high levels. By cotransfecting with a helper plasmid expressing the capsid proteins, it was possible to produce achieved in fibroblasts, epithelial cells, Tlymphocytes, and macrophages transformed human cells of various tissue origins. The vector used was cell type. In transformed B lymphocytes, however, the vector was not used to transfer the CAT gene and to express it in a variety of human acetyltransferase (CAT) reporter gene into a variety of normal and replicated, nor did it express the CAT gene.

Record Date Created: 19940323

DIALOG(R)File 155:MEDLINE(R) 7/7/13 (Item 13 from file: 155)

(c) format only 2003 The Dialog Corp. All rts. reserv.

DNA sequence of the 5' terminus containing the replication origin of parvovirus replicative form DNA.

Rhode S L; Klaassen B

Journal of virology (UNITED STATES) Mar 1982, 41 (3) p990-9, ISSN 0022-538X Journal Code: 0113724

Contract/Grant No.: CA-25866; CA; NCI; CA26801; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

noncoding and contains a 55-base-pair tandem repeat. The addition mutant of H-1, DI-1, was also sequenced in this region and shown to have three copies palindrome in native replicative form DNA, one inverted with respect to the replication origin for parvovirus replicative form DNA replication. Some of The nucleotide sequence of the 5' terminus of the parvovirus H-1 was contains only one copy of this repeat sequence. This region contains the other. Adjacent to the terminal palindrome is an AT-rich region that is determined. There are two orientations of the 242-base-pair terminal of the tandem repeat sequence. Similarly, the related parvovirus H-3 the implications of these results are discussed.

Record Date Created: 19820910

DIALOG(R)File 155:MEDLINE(R) 7/7/14 (Item 14 from file: 155)

autonomous rodent parvoviruses have been determined. The terminus of each Cell (UNITED STATES) Jul 1979, 17 (3) p691-703, ISSN 0092-8674 nucleotides. The sequence of this region of DNA is highly conserved and mplications of these results with respect to the models of parvovirus DNA genome exists as a Y-shaped hairpin structure involving 115 or 116 helper-dependent, adeno-associated viruses (Berns et al., 1978a). The shows no evidence of internal sequence heterogeneity, a characteristic Structure of the 3' hairpin termini of four rodent parvovirus genomes: The nucleotide sequences of the 3' termini of the DNA from four which is observed in the terminal nucleotide sequence of the nucleotide sequence homology at origins of DNA replication. 06mar03 09:44:47 User208669 Session D2225.2 (c) format only 2003 The Dialog Corp. All rts. reserv. Astell CR; Smith M; Chow MB; Ward DC \$0.00 44 Type(s) in Format 6 03186483 80001961 PMID: 225040 \$4.53 1.414 DialUnits File155 \$0.00 10 Type(s) in Format 6 \$4.23 0.235 DialUnits File357 \$0.84 4 Type(s) in Format 7 \$1.19 0.264 DialUnits File50 Record Date Created: 19791129 \$5.37 Estimated cost File155 \$4.23 Estimated cost File357 Document type: Journal Article \$1.19 Estimated cost File50 Main Citation Owner: NLM Record type: Completed replication are discussed. Languages: ENGLISH \$0.84 48 Types ournal Code: 0413066 \$0.00 10 Types

Reconnected in file OS 06mar03 10:02:46

\$14.37 Estimated total session cost 2.003 DialUnits

Logoff: level 02.12.60 D 09:44:47

\$14.05 Estimated cost this search

\$3.26 TELNET

OneSearch, 3 files, 1.914 DialUnits FileOS

* * New CURRENT Year ranges installed **

File 155:MEDLINE(R) 1966-2003/Mar W1 (c) format only 2003 The Dialog Corp. SYSTEM:OS - DIALOG OneSearch

File 50:CAB Abstracts 1972-2003/Jan

(c) 2003 CAB International

*File 50: Truncating CC codes is recommended for full retrieval. See Help News50 for details.

1982-2003/Mar W2 File 357: Derwent Biotech Res.

(c) 2003 Thomson Derwent & ISI

*File 357: File is now current. See HELP NEWS 357.

Alert feature enhanced for multiple files, etc. See HELP ALERT.

Set Items Description

Cost is in DialUnits

9/7/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

ranscription factor must form a precise ternary complex with origin DNA Minute virus of mice initiator protein NS1 and a host KDWK family or nicking to occur.

Christensen J; Cotmore S F; Tattersall P

Institute of Medical Microbiology and Immunology, University of

Copenhagen, Panum Institute, Copenhagen 2200 N, Denmark.

Journal of virology (United States) Aug 2001, 75 (15) p7009-17, SSN 0022-538X Journal Code: 0113724

Contract/Grant No.: AI26109; AI; NIAID

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

preferentially enhanced on oriL(TC) compared to oriL(GAA). Without ATP, NS1 subunits of PIF, p79 and p96, cooperatively bind two ACGT half-sites, which can be flexibly spaced. When coexpressed from recombinant baculoviruses, concatemers whose junctions are resolved to give unit-length genomes by a nucleotide inserted between the NS1 and PIF sites. Here we examined the interactions on oriL(TC) which lead to activation of NS1 by PIF. The two the PIF subunits preferentially form heterodimers which, in the presence of process involving DNA replication initiated at origins derived from each ATP, show cooperative binding with NS1 on oriL, but this interaction is viral telomere. The left-end origin of minute virus of mice (MVM), oriL, Parvoviral rolling hairpin replication generates palindromic genomic nitiation factor (PIF), a member of the emerging KDWK family of contains binding sites for the viral initiator nickase, NS1, and parvovirus as an inactive form, oriL(GAA), which contains a single additional transcription factors. oriL is generated as an active form, oriL(TC), and interaction, rendering the NS1 binding site, but not the nick site, is unable to bind stably to its cognate site, but PIF facilitates this

the distance between the NS1 binding site and the NS1-proximal half-site is half-site is unimportant. When expressed separately, both PIF subunits form resistant to DNase I. Varying the spacing of the PIF half-sites shows that nomodimers that bind site specifically to oril, but only complexes critical for nickase activation, whereas the position of the distal containing p79 activate the NS1 nickase function. Record Date Created: 20010703

(Item 2 from file: 155)

OIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

Two widely spaced initiator binding sites create an HMG1-dependent varvovirus rolling-hairpin replication origin.

Cotmore S F; Christensen J; Tattersall P

Departments of Laboratory Medicine, Yale University School of Medicine, New Haven, Connecticut 06510, USA.

Journal of virology (UNITED STATES) Feb 2000, 74 (3) p1332-41, SSN 0022-538X Journal Code: 0113724

Contract/Grant No.: Al26109; Al; NIAID; CA29303; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

that HMG1 allows the NS1 molecules positioned at each end of the origin to hydroxyl radical footprints defined sequences protected by NS1 and suggest nucleotides, most-favorably arranged as a simple hairpin with six unpaired outboard end, create a 33-bp palindrome that could potentially assume an for origin function, as was the NS1 binding site occupying the inboard arm delimited the inboard border of the minimal right-end origin. DNase I and that had deletions or mutations were used to explore the sequences and alternate cruciform configuration and hence directly bind HMG1, the The specific sequence of the nick site and an additional NS1 binding site bases. However, a pair of opposing NS1 binding sites, located near its rolling-circle replication in which the viral nickase, NS1, initiates DNA origin sequences. In vitro nicking and replication assays with substrates which directly orients NS1 over the initiation site were also essential and of the palindrome. In contrast, the NS1 site in the outboard arm was Minute virus of mice (MVM) replicates via a linearized form of essential for initiation, even though positioned 120 bp from the nick site. sequence, and thus its ability to fold into a cruciform, was dispensable synthesis by introducing a site-specific nick into either of two distinct structural elements essential for activity of one of these origins, located in the right-end (5') viral telomere. This structure contains 248 essential cofactor for this origin. The palindromic nature of this nteract, creating a distortion characteristic of a double helical loop.

DIALOG(R)File 155:MEDLINE(R) (Item 3 from file: 155)

(c) format only 2003 The Dialog Corp. All rts. reserv.

High-mobility group 1/2 proteins are essential for initiating rolling-circle-type DNA replication at a parvovirus hairpin origin.

Cotmore S F; Tattersall P

Departments of Laboratory Medicine, Yale University School of Medicine, New Haven, Connecticut 06510, USA

Journal of virology (UNITED STATES) Nov 1998, 72 (11) p8477-84,

SSN 0022-538X Journal Code: 0113724

Contract/Grant No.: Al26109; Al; NIAID; CA29303; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

synthesis. Parvoviruses, such as minute virus of mice (MVM), have adapted sequences, becoming covalently attached to the 5' end of the DNA at the this mechanism to amplify their linear single-stranded genomes by using endonuclease which introduces a single-strand nick into specific origin nick and providing a 3' hydroxyl to prime unidirectional, leading-strand replication fork back and forth along the genome, creating a continuous, multimeric DNA strand. The viral initiator protein, NS1, then excises individual genomes from this continuum by nicking and reinitiating synthesis at specific origins present within the hairpin sequences. Using hairpin telomeres which sequentially unfold and refold to shuttle the Rolling-circle replication is initiated by a replicon-encoded

confirmed by showing that purified calf thymus HMG1 and recombinant human HMG1 or murine HMG2 could each substitute for the HeLa factor, activating the high-mobility group 1/2 (HMG1/2) protein family. This prediction was preferentially to structured DNA, suggesting that it might be a member of which activates the right-hand hairpin elutes from phosphocellulose in high (5') MVM hairpin, we have characterized a HeLa cell factor which is absolutely required to allow NSI to nick this origin. Unlike parvovirus in vitro assays to study ATP-dependent initiation within the right-hand salt, has a molecular mass of around 25 kDa, and appears to bind nitiation factor (PIF), the cellular complex which activates NS1 endonuclease activity at the left-hand (3') viral origin, the host factor he NS1 endonuclease in an origin-specific nicking reaction.

Record Date Created: 19981105

9/7/7 (Item 7 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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A novel cellular site-specific DNA-binding protein cooperates with the viral NS1 polypeptide to initiate parvovirus DNA replication.

Record Date Created: 20000207

Christensen J; Cotmore S F; Tattersall P

Department of Laboratory Medicine, Yale University School of Medicine, New Haven, Connecticut 06510, USA.

Journal of virology (UNITED STATES) Feb 1997, 71 (2) p1405-16,

SSN 0022-538X Journal Code: 0113724

Contract/Grant No.: Al26109; Al; NIAID

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

of DNA replication located at the 3' and 5' ends of each embedded monomer, concatamers. Processing to monomer length requires initiation from origins (MVM). To determine which cellular proteins were essential for replication phosphocellulose. When recombined, these fractions were able to support proliferating-cell nuclear antigen (PCNA), known to be essential for simian rolling-hairpin mechanism which generates long, palindromic, duplex Replication of linear single-stranded parvovirus DNA proceeds by a from these origins, S100 extracts from 293S cells were fractionated on Fraction P-cell 1 contains two factors, replication protein A (RPA) and virus 40 replication in vitro. When P-cell 1 was replaced with purified reactions which can be recapitulated in vitro for minute virus of mice replication in vitro, dependent on the viral initiator protein NS1, using plasmid forms of the 5' origin or the minimal 3' origin as templates.

recombinant RPA and PCNA, NS1-mediated MVM replication initiated from the

at which NS1 nicks the DNA to generate the priming 3' OH, and a region

containing three distinct recognition elements, an NS1 binding site, a site

5' origin but not from the 3' origin. The 3' origin is a 50-bp sequence

DNA binding protein which recognized the consensus ATF binding site region by their ability to complement RPA, PCNA, and P-cell 2 for NS1-mediated, replication-competent fractions revealed a novel 110-kDa sequence-specific fractionated by further chromatography and active fractions were identified PIF. Binding of PIF appears to activate the endonuclease function of NS1, containing a consensus activated transcription factor (ATF) binding site. origin-specific replication. Gel shift and UV cross-linking analysis of the of the origin and which we have termed parvovirus initiation factor, or allowing efficient and specific nicking of the 3' minimal origin under To identify the missing factor(s) for 3' origin replication, P-cell 1 was stringent conditions in vitro.

Record Date Created: 19970218

9/7/8 (Item 8 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv

Besselsen D G; Pintel D J; Purdy G A; Besch-Williford C L; Franklin C L; Molecular characterization of newly recognized rodent parvoviruses. Hook R R; Riley L K

Department of Veterinary Pathology, University of Missouri, Columbia 65211, USA.

Journal of general virology (ENGLAND) May 1996, 77 (Pt 5) p899-911,

SSN 0022-1317 Journal Code: 0077340

Contract/Grant No.: DHHSS P01 RR08624; RR; NCRR; DHHSS T32 RR07004; RR;

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

and a variant strain of minute virus of mice (MVM) designated MVM-Cutter or parvovirus (MPV), a hamster isolate designated hamster parvovirus (HaPV), MVM(c). In this study, the DNA sequence of the coding regions of the viral genome and the predicted protein sequences for each of these new isolates rodent parvoviruses have been isolated. These include variants of a mouse Several autonomous rodent parvoviruses distinct from the prototypic

to MPV, and MVM(c) was most similar to MVM(i) and MVM(p). Haemagglutination DNA genome and to encode two nonstructural proteins (NS1 and NS2) and two parvoviruses and MVM(c) is a variant strain of MVM distinct from MVM(i) and strains of MVM [MVM(i) and MVM(p)], the rodent parvovirus H-1, and LullI, and HaPV are autonomous parvoviruses distinct from previously characterized were determined and compared to the immunosuppressive and prototypic parvoviruses was shown to encapsidate a predominantly negative-sense 5 kb an autonomous parvovirus of uncertain host origin. Sequence comparisons showed that the MPV isolates were almost identical, HaPV was very similar MVM(c) belongs to the MVM serotype. Each of the newly isolated rodent inhibition assays revealed that MPV and HaPV represent two serotypes structural viral proteins (VP1 and VP2). These studies indicate that MPV distinct from previously characterized rodent parvovirus serotypes while MVM(p).

Record Date Created: 19960530

9/7/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

Sequence motifs in the replicator protein of parvovirus MVM essential for nicking and covalent attachment to the viral origin: identification of the inking tyrosine.

Nuesch J P; Cotmore S F; Tattersall P

Department of Laboratory Medicine, Yale University School of Medicine,

New Haven, Connecticut 06510, USA.

Contract/Grant No.: AI26109; AI; NIAID 0042-6822 Journal Code: 0110674

Virology (UNITED STATES) May 10 1995, 209 (1) p122-35, ISSN

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

of [32P]phosphate from substrate DNA to NS1, followed by cyanogen bromide DNA, whereas Y210 and H129 mutant proteins were not, suggesting that the deficiency was minimized using low salt conditions, however, Y188 and Y197 Parvoviral DNA replication has many features in common with prokaryotic We have introduced mutations into the NS1 gene of the murine parvovirus H129, and into the three candidate tyrosine motifs at Y188, Y197, and Y210. attached to the new 5' end of the DNA, while making available a 3' hydroxyl to prime de novo synthesis. Sequence comparisons of prokaryotic RCR mutant proteins were able to nick and become covalently attached to origin a duplex origin sequence. In this process, the protein becomes covalently minute virus of mice (MVM), in the putative metal coordination site at Histidine-tagged mutant proteins were expressed in HeLa cells from plasmids in vitro, and each showed impaired site-specific binding to the viral origin, with Y188 and Y197 being most severely defective. If this cleavage of the complex, gave the single, labeled peptide consistent with putative metal coordination site and a downstream active-site tyrosine recombinant vaccinia virus vectors and partially purified. None of the initiators has revealed a set of three common motifs, two of which, a initiator protein which introduces a site-specific, single strand nick into mutant proteins were able to initiate replication of origin-containing atter residues are part of the catalytic site of the NS1 nickase. Transfer motif, could be tentatively identified in parvoviral replicator proteins. rolling circle replication (RCR), including the pivotal role of an Y210 being the linking tyrosine.

Record Date Created: 19950612

DIALOG(R)File 155:MEDLINE(R) 9/7/11 (Item 11 from file: 155)

(c) format only 2003 The Dialog Corp. All rts. reserv.

foreign gene into transformed human cells of different tissue origins and Use of an autonomous parvovirus vector for selective transfer of a ts expression therein.

Dupont F; Tenenbaum L; Guo L P; Spegelaere P; Zeicher M; Rommelaere J Department of Molecular Biology, Universite Libre de Bruxelles, Rhode Saint Genese, Belgium.

Journal of virology (UNITED STATES) Mar 1994, 68 (3) p1397-406,

SSN 0022-538X Journal Code: 0113724 Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

ransformed human cells of various tissue origins. The vector used was acetyltransferase (CAT) reporter gene into a variety of normal and In this work, we report the transduction of a chloramphenicol

amounts of recombinant MVM. MVM/P38cat viral particles were successfully parvovirus minute virus of mice (MVMp). The CAT gene was inserted into the capsid-encoding region of the infectious molecular clone of MVMp genome, mixed virus stocks containing MVM/P38cat infectious particles and variable MVM/P38cat, a recombinant of the prototype strain of the autonomous cells. Both viral DNA replication and P38-driven CAT expression were in a transformation-dependent way, but with an efficiency depending on the permissive cells, the MVM/P38cat DNA was efficiently replicated and under the control of the MVM P38 promoter. When used to transfect achieved in fibroblasts, epithelial cells, T lymphocytes, and macrophages helper plasmid expressing the capsid proteins, it was possible to produce expressed the foreign CAT gene at high levels. By cotransfecting with a cell type. In transformed B lymphocytes, however, the vector was not used to transfer the CAT gene and to express it in a variety of human replicated, nor did it express the CAT gene.

Record Date Created: 19940323

9/7/16 (Item 16 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

Sequence organization in regulatory regions of DNA of minute virus of

Bodnar J W

Virus genes (UNITED STATES) Mar 1989, 2 (2) p167-82, ISSN 0920-8569 Northeastern University, Department of Biology, Boston, MA 02115.

Journal Code: 8803967

Contract/Grant No.: GM-35238; GM; NIGMS

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

The left end of MVM DNA, which contains the promoter for the nonstructural significant differences in regulatory sequence organization between MVM and Analysis of the nucleotide sequence of minute virus of mice (MVM) DNA factor (ATF) binding site, and a potential Z-DNA element. The MVM right throughout the entire genome, which may also have a role in DNA function. elements throughout the entire MVM genome that may be involved in indicates that the DNA termini contain clusters of potential DNA regulatory polyoma virus enhancer, three copies of an E1A-inducible transcription elements that includes several homologies to the polyoma virus replication end, which contains the origin of DNA replication, has a cluster of DNA genes, has a cluster of DNA elements that includes homologies to the elements and that there are repetitive DNA elements highly reiterated frequency analysis indicates the presence of highly recurring sequence origin and a potential Z-DNA element. In addition, oligonucleotide regulation. This computer-aided analysis suggests similarities and

polyoma virus, and identifies specific DNA elements for future genetic characterization.

Record Date Created: 19890622

9/7/17 (Item 17 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

Proteins tightly associated with the termini of replicative form DNA of

Kilham rat virus, an autonomous parvovirus.

Wobbe C R; Mitra S

America (UNITED STATES) Dec 1985, 82 (24) p8335-9, ISSN 0027-8424 Proceedings of the National Academy of Sciences of the United States of Iournal Code: 7505876

Contract/Grant No.: GM7438; GM; NIGMS

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Revie et al. [Revie, D., Tseng, B. Y., Grafstrom, R. H. & Goulian, M.

virus (KRV), also has covalently bound protein. NaDodSO4/polyacrylamide gel (1979) Proc. Natl. Acad. Sci. USA 76, 5539-5543] have proposed that the present evidence that the RF DNA of a similar rodent parvovirus, Kilham rat equilibrium sedimentation in the presence of detergents and 4 M guanidine double-stranded replicative form (RF) DNA of the autonomous rodent parvovirus H-1 has protein of 60 kDa covalently bound at its 5' termini. We electrophoresis of purified, 125I-labeled RF DNA shows that proteins of 68-72, 66, 64, and 55 kDa copurify with the DNA during velocity and

Following removal of these proteins by electrophoresis in NaDodSO4/agarose gels, two proteins (called RF TP-90 and RF TP-40), of about 90 and 40 kDa, become evident. These remain bound to the DNA and are released only after HCl. Phenol extraction in the presence of 2-mercaptoethanol removes the 68. with protease-treated RF DNA when mixed with uninfected cell extract nuclease digestion of the DNA. These two proteins, apparently not of viral but noncovalently, bound. The latter polypeptides also appear to associate origin, are associated with terminal restriction fragments of the RF DNA to 72-kDa proteins, but the 66-, 64-, and 55-kDa proteins remain tightly, and appear to be covalently bound to the 5' termini of both strands.

Record Date Created: 19860207

DIALOG(R)File 155:MEDLINE(R) 9/7/19 (Item 19 from file: 155)

(c) format only 2003 The Dialog Corp. All rts. reserv.

DNA sequence of the 5' terminus containing the replication origin of parvovirus replicative form DNA. Rhode S L; Klaassen B

Journal of virology (UNITED STATES) Mar 1982, 41 (3) p990-9, ISSN 0022-538X Journal Code: 0113724

Contract/Grant No.: CA-25866; CA; NCI; CA26801; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

noncoding and contains a 55-base-pair tandem repeat. The addition mutant of H-1, DI-1, was also sequenced in this region and shown to have three copies palindrome in native replicative form DNA, one inverted with respect to the replication origin for parvovirus replicative form DNA replication. Some of The nucleotide sequence of the 5' terminus of the parvovirus H-1 was other. Adjacent to the terminal palindrome is an AT-rich region that is contains only one copy of this repeat sequence. This region contains the determined. There are two orientations of the 242-base-pair terminal of the tandem repeat sequence. Similarly, the related parvovirus H-3 the implications of these results are discussed.

Record Date Created: 19820910

9/7/24 (Item 24 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

Replication process of the parvovirus H-1. VI. Characterization of a replication terminus of H-1 replicative-form DNA.

Rhode S L

Journal of virology (UNITED STATES) Feb 1977, 21 (2) p694-712,

ISSN 0022-538X Journal Code: 0113724

Document type: Journal Article

Main Citation Owner: NLM Languages: ENGLISH

Record type: Completed

the complementary strand. Some 10% of monomeric RF DNA also has a covalent of H-1 RF DNA determined by gel electrophoresis is 3.26 X 10(6). H-1 RF DNA been characterized with respect to cleavage by the bacterial restriction endonuclease of Escherichia coli, EcoRI RF DNA has a single cleavage site 0.22 genome length from the left end of the molecule. The molecular weight has been found to dimerize by hydrogen-bounded linkage at the molecular EcoRI-B fragment, containing the left end of the RF molecule, appears to be The linear duplex replicative form (RF) DNA of the parvovirus H-1 has progeny DNA synthesis. These findings suggest that the left end of H-1 RF DNA has some type of "turn-around" structure and that this end is not an linkage between the viral and complementary strands at the left end. The left end, and in some molecules the viral strand is covalently linked to a replication terminus by its labeling characteristics for both RF and origin for DNA synthesis.

Record Date Created: 19770331

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06mar03 10:14:28 User208669 Session D2225.3
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? log hold
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\$0.00 25 Type(s) in Format 6 \$2.31 11 Type(s) in Format 7

\$2.31 36 Types \$4.64 Estimated cost File155 \$0.65 0.144 DialUnits File50

\$0.00 1 Type(s) in Format 6 \$0.00 1 Types

\$0.65 Estimated cost File50 \$2.50 0.139 DialUnits File357

\$0.00 4 Type(s) in Format 6 \$0.00 4 Types

\$2.50 Estimated cost File357

OneSearch, 3 files, 1.012 DialUnits FileOS

\$2.80 TELNET

\$10.59 Estimated cost this search \$10.59 Estimated total session cost 1.012 DialUnits Logoff: level 02.12.60 D 10:14:28